

## **STIC Biotechnology Systems Branch**

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Application Serial Number: 10/567,938  
Source: IFWP  
Date Processed by STIC: 2/21/06

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- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

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**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

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1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
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U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06



IFWP

## RAW SEQUENCE LISTING

DATE: 02/21/2006

PATENT APPLICATION: US/10/567,938

TIME: 13:04:31

Input Set : N:\KEISHA\10567938.txt

Output Set: N:\CRF4\02212006\J567938.raw

4 <110> APPLICANT: The University of Texas Health Science Center at San Antonio  
 6 <120> TITLE OF INVENTION: REGULATION OF TISSUE MINERALIZATION AND  
 7 PHOSPHATE METABOLISM BY ASARM PEPTIDES  
 10 <130> FILE REFERENCE: 21105.0011P1  
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/567,938  
 C--> 13 <141> CURRENT FILING DATE: 2006-02-09  
 15 <150> PRIOR APPLICATION NUMBER: 60/504,044  
 16 <151> PRIOR FILING DATE: 2003-09-19  
 18 <160> NUMBER OF SEQ ID NOS: 24  
 20 <170> SOFTWARE: FastSEQ for Windows Version 4.0

## ERRORED SEQUENCES

609 <210> SEQ ID NO: 24  
 610 <211> LENGTH: 57  
 611 <212> TYPE: PRT  
 612 <213> ORGANISM: Homo sapien  
 617 <220> FEATURE:  
 618 <221> NAME/KEY: VARIANT  
 619 <222> LOCATION: 46  
 620 <223> OTHER INFORMATION: Xaa = P or Q  
 622 <400> SEQUENCE: 24  
 623 Asp Val Ser Leu Val Glu Gly Ser Asn Asp Ile Met Gly Ser Thr Asn  
 624 1 5 10 15  
 625 Phe Lys Glu Leu Pro Gly Arg Glu Gly Asn Arg Val Asp Ala Gly Ser  
 626 20 25 30  
 W--> 627 Gln Asn Ala His Gln Gly Lys Val Glu Phe His Tyr Pro Xaa Ala Pro  
 628 35 40 45  
 629 Ser Lys Glu Lys Arg Lys Glu Gly Ser  
 630 50 55  
 631 ATTORNEY DOCKET NO. 21105.0011P1  
 E--> 632 1

**Does Not Comply  
 Corrected Diskette Needed**

*pg 1-3*

*This appeared at beginning  
 of submitted file.*

10/567,938

2

<210> 21

<211> 165

<212> PRT

<213> Homa sapien

Homo

<220>

<221> VARIANT

<222> 1

<223> Xaa = T or M

see p. 3

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3

<221> VARIANT  
 <222> 2, 3, 4  
 <223> Xaa = Any amino acid except Lys

<221> VARIANT  
 <222> 6  
 <223> Xaa = Y or S

<221> VARIANT  
 <222> 11  
 <223> Xaa - E or G

<221> VARIANT  
 <222> 13  
 <223> Xaa = E or K

<221> VARIANT  
 <222> 14, 15, 16  
 <223> Xaa = Any amino acid except Lys

<221> VARIANT  
 <222> (17)...(17)  
 <223> Xaa = G or I

<221> VARIANT  
 <222> (19)...(22)  
 <223> Xaa = Any amino acid except Lys

<221> VARIANT  
 <222> (29)...(30)  
 <223> Xaa = Any amino acid except Lys

<221> VARIANT  
 <222> (80)...(80)  
 <223> Xaa = P or Q

<221> VARIANT  
 <222> (81)...(84)  
 <223> Xaa = Any amino acid except Lys

?

locations 81-84 are not Xaa's  
 (see below)

<400> 21  
 Xaa Xaa Xaa Xaa Gly Xaa Asn Glu Ile Pro Xaa Arg Xaa Xaa Xaa Xaa  
 1 5 10 15  
 Xaa Gly Xaa Xaa Xaa Xaa Thr Arg Asp Glu Thr Ala Xaa Xaa Ala Asp  
 20 25 30  
 Ala Val Asp Val Ser Leu Val Glu Gly Ser Asn Asp Ile Met Gly Ser  
 35 40 45  
 Thr Asn Phe Lys Glu Leu Pro Gly Arg Glu Gly Asn Arg Val Asp Ala  
 50 55 60  
 Gly Ser Gln Asn Ala His Gln Gly Lys Val Glu Phe His Tyr Pro Xaa  
 65 70 75 80  
 Ala Pro Ser Lys Glu Lys Arg Lys Glu Gly Ser Xaa Xaa Xaa Xaa Xaa  
 85 90 95  
 Xaa Xaa Xaa Tyr Asn Glu Ile Pro Lys Xaa Xaa Lys Gly Xaa Xaa Xaa  
 100 105 110  
 Lys Xaa Xaa Xaa Xaa Ser Asn Arg Asn Gln Ala Thr Leu Asn Glu Lys  
 115 120 125  
 Gln Arg Phe Pro Ser Lys Gly Lys Ser Gln Gly Leu Pro Ile Pro Ser  
 130 135 140

what about  
 Xaa's at  
 locations  
 92-99?  
 106-107?  
 110-112?  
 114-117?

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/567,938

DATE: 02/21/2006

TIME: 13:04:32

Input Set : N:\KEISHA\10567938.txt

Output Set: N:\CRF4\02212006\J567938.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number  
 L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
 L:174 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0.  
 L:498 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21  
 L:502 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21  
 L:506 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21  
 L:510 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21  
 L:514 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21  
 L:518 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21  
 L:522 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21  
 L:526 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21  
 L:530 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21  
 L:534 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21  
 L:535 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0  
 M:341 Repeated in SeqNo=21  
 L:575 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:22  
 L:579 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:22  
 L:583 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:22  
 L:587 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:22  
 L:588 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0  
 L:605 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:23  
 L:606 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0  
 L:627 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:32  
 L:632 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:24